

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 2. (Canceled)

3. (Currently Amended) A car navigation system comprising:

a map generator configured to display at least one of two-dimensional maps, three-dimensional maps and bird's-eye-view maps, from mapping information provided from a database;

a position detector adapted to detect a position of a vehicle;

a search unit adapted to search for a route between the detected vehicle position and a specified target position, or a specified departure position and the specified target position, under set conditions;

a map summarizing unit adapted to generate a summary road map having a reduced amount of information and having deformed roads more orthogonalized and/or linearized than the at least one of two-dimensional maps, three-dimensional maps and bird's-eye-view maps, and including a simplified route between the detected vehicle position and the specified target position, or the specified departure position and the specified target position, with highlighted lines, by applying a summarizing operation including at least one of an orthogonalizing and linearizing operation over a main road including a running route; and

a display unit adapted to display the summary road map of the simplified route; and

a communication unit for receiving traffic information, and wherein the display unit displays the traffic information received by the communication unit on the summary road map with respect to a corresponding route displayed thereon.

4. (Previously Presented) The car navigation system according to claim 3, wherein the search unit also searches for another route between the detected vehicle position and the specified target position, or the specified departure position and said the specified target position, when an impediment is detected with respect to the simplified route, and the display unit displays the summary road map of at least one other route between the detected vehicle position and the specified target position, or the specified departure position and the specified target position, searched by the search unit, by simplified highlighted lines.

5. (Cancelled)

6. (Currently Amended) The car navigation system according to claim 3, ~~5~~, wherein the display unit displays a detour responsive to the traffic information indicating an impediment of passage of the vehicle on the summary road map.

7. (Cancelled)

8. (Previously Presented) The car navigation system according to claim 6, wherein, when traffic information which impedes the passage of the vehicle is received by the communication unit, the display unit displays two windows including

the summary road map and at least one of the two-dimensional maps, three-dimensional maps or bird's-eye-view maps.

9. (Currently Amended) A car navigation system comprising:

a map generator configured to display at least one of two-dimensional maps, three-dimensional maps and bird's-eye-view maps, from mapping information provided from a database;

a position detector adapted to detect a current position of a vehicle;

an input unit adapted to input a target position;

a search unit adapted to search for a running route on the basis of the detected current position and the inputted target position;

a map summarizing unit adapted to generate a summary road map having a reduced amount of information and having deformed roads more orthogonalized and/or linearized than the at least one of two-dimensional maps, three-dimensional maps and bird's-eye-view maps, by applying a summarizing operation including at least one of an orthogonalizing and linearizing operation over a main road including a running route, where the summary road map shows a path from the current vehicle position to a next turning corner on the searched running route; and

a display unit adapted to display the summary road map,

wherein, when the current vehicle position arrives at a position within a predetermined range from the next turning corner, the display unit automatically displays the summary road map from the current vehicle position to the next turning corner with a mark of the current vehicle position, and

wherein the predetermined range is broader than a display range of a magnified road map displayed for the next turning corner.

10. (Canceled)

11. (Previously Presented) The car navigation system according to claim 3, wherein the vehicle position is displayed by a mark in the summary road map.

12. (Previously Presented) The car navigation system according to claim 3, wherein roads displayed in the summary road map are displayed as made linear, and roads which meet at an intersection are displayed as made orthogonal to each other.

13. (Previously Presented) The car navigation system according to claim 3, wherein the display unit displays the simplified route without a map.

14. (Previously Presented) The car navigation system according to claim 8, wherein the display unit switches to the at least one of two-dimensional maps, three-dimensional maps or bird's-eye-view maps, when the vehicle position shifts to the detour.

15. (Previously Presented) The car navigation system according to claim 3, wherein the display unit displays a road map, and the road map is at least one of the two-dimensional maps, three-dimensional maps or bird's-eye-view maps.

16. (Previously Presented) The car navigation system according to claim 9, wherein the display unit displays a window of the summary road map with a window of a road map including the searched running route.

17. (Previously Presented) The car navigation system according to claim 9, wherein the display unit displays a road map, and the road map is at least one of the two-dimensional maps, three-dimensional maps or bird's-eye-view maps.

18.-20 (Canceled)

21. (Previously Presented) The car navigation system according to claim 3, wherein the display unit is configured to display the summary road map automatically responsive to a predetermined change in positioning of the vehicle on the at least one of two-dimensional maps, three-dimensional maps and bird's-eye-view maps.

22. – 23. (Canceled)

24. (Previously Presented) The car navigation system according to claim 3, comprising a deforming means for performing the at least one of the orthogonalizing and linearizing operation.

25. (Previously Presented) The car navigation system according to claim 9, comprising a deforming means for performing the at least one of the orthogonalizing and linearizing operation.

